Application No. 10/681,773

Docket No. 3522.2

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the

application:

Claim 1. (original) An array comprising a plurality of nucleic acid probes, wherein each

probe in the plurality of nucleic acid probes consists essentially of one of the sequences listed in

SEQ ID Nos. 1-124,031 and wherein the plurality of nucleic acid probes of the array comprises

each of the sequences listed in SEQ ID NOS. 1-124,031.

Claim 2. (original) The array of claim 1 further comprising a second plurality of nucleic

acid probes, wherein each probe in the second plurality of nucleic acid probes consists

essentially of the complement of one of the sequences listed in SEQ ID NOS: 1-124,031 and

wherein the second plurality of nucleic acid probes comprises the complement of each of the

sequences listed in SEQ ID NOS: 1-124,031.

Claim 3. (original) The array of claim 2 further comprising a third plurality of nucleic

acid probes, wherein each probe in the third plurality of nucleic acid probes consists essentially

of the sequence of one of the sequences listed in SEQ ID NOS: 1-124,031 except with a

mismatch at the central position.

Claim 4. (original) The array of claim 1 wherein each probe is attached to a bead.

Claims 5-7 (canceled)

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